CLAIM

1. In a wireless communication system supporting a broadcast service, a
2 method comprising:
   transmitting a broadcast session on a broadcast transmission channel;
4   and
   transmitting broadcast overhead information with the broadcast session
6   on the broadcast transmission channel.

2. The method as in claim 1, wherein the broadcast overhead information is
2 a session description protocol message containing information for
   processing the broadcast session, and wherein the session description
4 protocol message is interleaved with broadcast content of the broadcast
   session.

3. A communication signal transmitted on a carrier wave, the signal
2 comprising:
   a broadcast session portion; and
4 a session description protocol message (SDP message) interleaved with
     the broadcast session portion, wherein the SDP provides
6   information for processing the broadcast session.

4. The communication signal as in claim 3, wherein the signal is transmitted
2 via a broadcast transmission channel.

5. In a wireless communication system supporting a broadcast service, a
2 method comprising:
   receiving a session description protocol (SDP) message corresponding
4   to the broadcast session on the broadcast channel;
   accessing a broadcast session on a broadcast channel; and
6   processing the broadcast session using the SDP message.

6. The method as in claim 5, wherein the SDP message is interleaved with
2   broadcast content of the broadcast session.

7. A wireless apparatus, comprising:
2   means for receiving a broadcast service parameter message
corresponding to a broadcast session;
4   means for receiving an SDP corresponding to the broadcast session; and
means for processing the broadcast session using the SDP.

8. The apparatus as in claim 7, further comprising:
2   means for receiving header compression information.

9. The apparatus as in claim 7, further comprising:
2   memory storage adapted to store the SDP corresponding to a plurality of
broadcast sessions, wherein the SDP of each of the plurality of
4   broadcast sessions is updated when the corresponding broadcast
session is accessed.

10. The apparatus as in claim 9, wherein the memory storage is a cache
2   memory.

11. The apparatus as in claim 9, wherein the memory storage is a look up
2   table.

12. A method for indicating broadcast session protocol, comprising:
2   multiplexing an information identifying a broadcast session protocol with
a content of the broadcast session to provide a broadcast stream;
4   and
transmitting the broadcast stream on a broadcast transmission channel.

13. The method as claimed in claim 12, wherein said multiplexing a
2   broadcast session protocol with a content of the broadcast session
comprises:

4   multiplexing a broadcast session protocol with a content of the broadcast

session at the content server.

14.   The method as claimed in claim 12, wherein said multiplexing an

2   information identifying a broadcast session protocol with a content of the

broadcast session to provide a broadcast stream comprises:

4   multiplexing an information identifying a broadcast session protocol with

a content of the broadcast session periodically.

15.   The method as claimed in claim 14, wherein said multiplexing the

2   information identifying a broadcast session protocol with a content of the

broadcast session periodically comprises:

4   multiplexing an information identifying a broadcast session protocol with

a content of the broadcast session periodically with a frequency of

6   multiplexing a short-term encryption key.

16.   The method as claimed in claim 12, said multiplexing an information

2   identifying a protocol description of a broadcast session with a content of

the broadcast session to provide a broadcast stream comprises:

4   multiplexing a broadcast session description protocol with a content of

the broadcast session to provide a broadcast stream in

6   accordance with a bandwidth condition.

17.   The method as claimed in claim 16, wherein said multiplexing a

2   broadcast session protocol with a content of the broadcast session to

provide a broadcast stream comprises:

4   multiplexing a broadcast session protocol with a content of the broadcast

session when the broadcast content bandwidth is low.

18.   The method as claimed in claim 12, wherein said multiplexing a

2   broadcast session protocol with a content of the broadcast session to

provide a broadcast stream comprises:

4   multiplexing a broadcast session description identifier with a content of

the broadcast session to provide a broadcast stream.

19. A method indicating broadcast session protocol, comprising:

2   receiving a broadcast stream;

determining an information identifying a broadcast session protocol in

4   accordance with said received broadcast stream; and

processing the broadcast stream in accordance with said determined

6   information if a receiving station contains the broadcast session

protocol.

20. The method as claimed in claim 19, wherein said processing the

2   broadcast stream in accordance with said determined information if a

receiving station contains the broadcast session protocol comprises:

4   retrieving the broadcast session protocol from a storage media at the

receiving station; and

6   processing the broadcast stream in accordance with said retrieved

broadcast session protocol.

21. The method as claimed in claim 19, further comprising:

2   retrieving the broadcast session protocol from a content server if the

receiving station does not contain the broadcast session protocol;

4   and

processing the broadcast stream in accordance with said retrieved

6   broadcast session protocol.

22. The method as claimed in claim 19, wherein said determining an

2   information identifying a broadcast session protocol in accordance with

said received broadcast stream comprises:

4   determining a broadcast session description identifier of a broadcast

session in accordance with said received broadcast stream.

23. A method for indicating broadcast session protocol, comprising:

2   multiplexing an information identifying a broadcast session protocol with

a content of the broadcast session to provide a broadcast stream;

4   and

providing the broadcast stream for transmission.

24. The method as claimed in claim 23, wherein said multiplexing a broadcast session protocol with a content of the broadcast session comprises:

multiplexing a broadcast session protocol with a content of the broadcast session at a content server.

25. The method as claimed in claim 23, wherein said multiplexing an information identifying a broadcast session protocol with a content of the broadcast session to provide a broadcast stream comprises:

multiplexing an information identifying a broadcast session protocol with a content of the broadcast session periodically.

26. The method as claimed in claim 25, wherein said multiplexing an information identifying a broadcast session protocol with a content of the broadcast session periodically comprises:

multiplexing an information identifying a broadcast session protocol with a content of the broadcast session periodically with a frequency of multiplexing a short-term encryption key.

27. The method as claimed in claim 23, said multiplexing an information identifying a protocol description of a broadcast session with a content of the broadcast session to provide a broadcast stream comprises:

multiplexing a broadcast session description protocol with a content of the broadcast session to provide a broadcast stream in accordance with a bandwidth condition.

28. The method as claimed in claim 27, wherein said multiplexing a broadcast session protocol with a content of the broadcast session to provide a broadcast stream comprises:

multiplexing a broadcast session protocol with a content of the broadcast session when the broadcast content bandwidth is low.

29.   The method as claimed in claim 23, wherein said multiplexing a
2   broadcast session protocol with a content of the broadcast session to
          provide a broadcast stream comprises:
4   multiplexing a broadcast session description identifier with a content of
              the broadcast session to provide a broadcast stream.

30.   The method as claimed in claim 29, wherein multiplexing a broadcast
2   session description identifier with a content of the broadcast session to
          provide a broadcast stream comprises:
4   forming an information element comprising the broadcast session
              description identifier; and
6   multiplexing the information element with a content of the broadcast
              session to provide a broadcast stream.

31.   The method as claimed in claim 23, wherein said providing the broadcast
2   stream for transmission comprises:
          assigning each unit of the broadcast stream a sequence number.

32.   The method as claimed in claim 31, further comprising:
2   delivering each of the units through a media not guaranteeing in-
              sequence delivery; and
4   re-ordering the delivered units in accordance with the sequence
              numbers.

33.   The method as claimed in claim 23, wherein said providing the broadcast
2   stream for transmission comprises:
          establishing a generic routing encapsulation tunnel through a media not
4   guaranteeing in-sequence delivery.

34.   A method for indicating a broadcast session protocol, comprising:
2   receiving a broadcast stream;
          determining an information element in accordance with said received
4   broadcast stream; and

processing the broadcast stream in accordance with said determined

6   information element.

35.   The method as claimed in claim 34, wherein said determining the

2   information element comprises determining a broadcast session protocol,

       and wherein said processing the broadcast stream in accordance with

4   said determined information element comprises processing the broadcast

       stream in accordance with the broadcast session protocol.

36.   The method as claimed in claim 34, wherein said determining the

2   information element comprises determining a broadcast session

       description identifier, and wherein said processing the broadcast stream

4   in accordance with said determined information element comprises:

       processing the broadcast stream in accordance with a broadcast session

6   protocol corresponding to the broadcast session description

                     identifier.

37.   The method as claimed in claim 36, wherein said processing the

2   broadcast stream in accordance with a broadcast session protocol further

       comprises:

4   requesting the broadcast session protocol from a content server if a

                     receiving station does not contain the broadcast session protocol.

38.   The method as claimed in claim 37, further comprising:

2   retrieving the broadcast session protocol from a storage media at the

                     receiving station if the receiving station contains the broadcast

4   session protocol.

39.   A method for indicating broadcast session protocol, comprising:

2   multiplexing an information allowing a broadcast session

       processing with a content of a broadcast session to produce a broadcast

4   stream;

                     and

6   transmitting the broadcast stream on a broadcast transmission channel.

40.   The method as claimed in claim 39, wherein said multiplexing an

2   information allowing a broadcast session processing with a content of a broadcast session to produce a broadcast stream comprises:

4   multiplexing a broadcast session protocol with a content of a broadcast session before the broadcast session protocol change; and

6   multiplexing information identifying a broadcast session protocol with a content of the broadcast session after the broadcast session

8   protocol change.

41.   The method as claimed in claim 39, wherein said multiplexing an

2   information allowing a broadcast session processing with a content of a broadcast session to produce a broadcast stream comprises:

4   multiplexing an information allowing a broadcast session processing with a content of a broadcast session to produce a broadcast

6   stream at the content server.

42.   The method as claimed in claim 39, wherein said multiplexing an

2   information allowing a broadcast session processing with a content of a broadcast session to produce a broadcast stream comprises:

4   multiplexing an information allowing a broadcast session processing with a content of a broadcast session periodically.

43.   The method as claimed in claim 42, wherein said multiplexing an

2   information allowing a broadcast session processing with a content of a broadcast session periodically comprises:

4   multiplexing an information allowing a broadcast session processing with a content of a broadcast session with a frequency of

6   multiplexing a short-term encryption key.

44.   The method as claimed in claim 39, wherein said multiplexing an
2   information allowing a broadcast session processing with a content of a
        broadcast session to produce a broadcast stream comprises:
4   multiplexing an information allowing a broadcast session
        processing with a content of a broadcast session in accordance with
6   bandwidth condition.

45.   The method as claimed in claim 44, wherein said multiplexing an
2   information allowing a broadcast session processing with a content of a
        broadcast session in accordance with bandwidth condition comprises:
4   multiplexing an information allowing a broadcast session
        processing with a content of a broadcast session when the broadcast
6   content bandwidth is low.

46.   The method as claimed in claim 39, wherein said multiplexing an
2   information allowing a broadcast session processing with a content of a
        broadcast session to produce a broadcast stream comprises:
4   multiplexing a broadcast session description identifier with a
        content of the broadcast session.

47.   A method indicating broadcast protocol options, comprising:
2   receiving a broadcast stream;
                determining an information allowing a broadcast session
4   processing in accordance with said received broadcast stream; and
                processing the broadcast stream in accordance with said
6   determined information.

48.   The method as claimed in claim 47, wherein said processing the
2   broadcast stream in accordance with said determined information
        comprises:
4   processing the broadcast stream in accordance with said
        determined information if said determined information comprises the
6   broadcast session protocol.

49.   The method as claimed in claim 47, wherein said processing the

2   broadcast stream in accordance with said determined information
      comprises:

4   processing the broadcast stream in accordance with said
      determined information if said determined information comprises the

6   broadcast session description identifier and a receiving station contains
      the broadcast session protocol.

50.   The method as claimed in claim 49, wherein said processing the

2   broadcast session in accordance with said determined information if a
      receiving station contains the broadcast session protocol comprises:

4   retrieving the broadcast session protocol from a storage media at
      the receiving station; and

6   processing the broadcast session in accordance with said
      retrieved broadcast session protocol.

51.   The method as claimed in claim 49, further comprising:

2   retrieving the broadcast session protocol from a content server if
      said determined information comprises the broadcast session description

4   identifier and the receiving station does not contain the broadcast
      session protocol; and

6   processing the broadcast session in accordance with said
      retrieved information.